Reference List

- 1. Behe, M. J.; Lattman, E. E., and Rose, G. D. The protein-folding problem: the native fold determines packing, but does packing determine the native fold? Proc Natl Acad Sci U S A. 1991 May 15; 88(10):4195-9.
- 2. Boucherle, A.; Fillion, H., and Cousse, H. [Contribution of stereochemistry to the study of the spatial organization of pharmacological receptors]. J Pharmacol. 1986; 17 Suppl 2:44-58.
- 3. Bransome, E. D. Jr; Hendry, L. B.; Muldoon, T. G.; Mahesh, V. B.; Hutson, M. S., and Campbell, L. K. Apparent stereochemical complementarity of estrogens and helical cavities between DNA base pairs: implications for the mechanism of action of steroids. J Theor Biol. 1985 Jan 7; 112(1):97-108.
- 4. Celikel, R.; Madhusudan; Varughese, K. I.; Shima, M.; Yoshioka, A.; Ware, J., and Ruggeri, Z. M. Crystal structure of NMC-4 fab anti-von Willebrand factor A1 domain. Blood Cells Mol Dis. 1997; 23(1):123-34.
- 5. Edmundson, A. B. and Ely, K. R. Binding of N-formylated chemotactic peptides in crystals of the Mcg light chain dimer: similarities with neutrophil receptors. Mol Immunol. 1985 Apr; 22(4):463-75.
- 6. Harris, L. F.; Sullivan, M. R., and Hatfield, D. L. Directed molecular evolution. Orig Life Evol Biosph. 1999 Aug; 29(4):425-35.
- 7. Hendry, L. B. Drug design with a new type of molecular modeling based on stereochemical complementarity to gene structure. J Clin Pharmacol. 1993 Dec; 33(12):1173-87.
- 8. ---. Stereochemical complementary of DNA and steroid agonists and antagonists. J Steroid Biochem. 1988 Oct; 31(4B):493-523.
- 9. Hendry, L. B.; Bransome, E. D. Jr; Lehner, A. F.; Muldoon, T. G.; Hutson, M. S., and Mahesh, V. B. The stereochemical complementarity of DNA and reproductive steroid hormones correlates with biological activity. J Steroid Biochem. 1986 Apr; 24(4):843-52.
- 10. Hendry, L. B. and Mahesh, V. B. Stereochemical complementarity of progesterone and cavities between base pairs in partially unwound double stranded DNA using computer modeling and energy calculations to determine degree of fit. J Steroid Biochem Mol Biol. 1991 Aug; 39(2):133-46.
- 11. ---. Stereochemical complementarity of progesterone, RU486 and cavities between base pairs in partially unwound double stranded DNA assessed by computer modelling and energy calculations. J Steroid Biochem Mol Biol. 1992 Mar; 41(3-8):647-51.
- 12. Hendry, L. B.; Muldoon, T. G., and Mahesh, V. B. The metabolic pathways for hormonal steroids appear to be reflected in the stereochemistry of DNA. J Steroid Biochem Mol Biol. 1992 Aug; 42(7):659-70.

- 13. ---. Stereochemical complementarity between antiestrogens and DNA. Adv Exp Med Biol. 1987; 219:743-7.
- 14. Heywood, B. R. Biomineralization: new directions in crystal science. Microsc Res Tech. 1994 Apr 1; 27(5):376-88.
- 15. Kajava, A. V.; Bogdanov, M. V., and Nesmeyanova, M. A. Stereochemical analysis of interaction of signal peptide with phospholipids at the initiation of protein translocation across the membrane. J Biomol Struct Dyn. 1991 Aug; 9(1):143-57.
- 16. Korolkovas, A. [Action of hormones at the molecular level]. Rev Paul Med. 1973 Mar; 81(3):169-78.
- 17. Lee, A. Y.; Smitka, T. A.; Bonjouklian, R., and Clardy, J. Atomic structure of the trypsin-A90720A complex: a unified approach to structure and function. Chem Biol. 1994 Oct; 1(2):113-7.
- 18. Lee, M.; Chang, D. K.; Pon, R. T., and Lown, J. W. Sequence dependent conformation and local geometry of the conserved branch site sequence element d(TpApCpTpApApC), essential for yeast mRNA splicing, deduced from high resolution 1H-NMR. J Biomol Struct Dyn. 1987 Aug; 5(1):35-46.
- 19. Matta, C. F. and Bader, R. F. Atoms-in-molecules study of the genetically encoded amino acids. III. Bond and atomic properties and their correlations with experiment including mutation-induced changes in protein stability and genetic coding. Proteins. 2003 Aug 15; 52(3):360-99.
- 20. Muller, G.; Gurrath, M., and Kessler, H. Pharmacophore refinement of gpIIb/IIIa antagonists based on comparative studies of antiadhesive cyclic and acyclic RGD peptides. J Comput Aided Mol Des. 1994 Dec; 8(6):709-30.
- 21. Mylvaganam, S. E.; Paterson, Y., and Getzoff, E. D. Structural basis for the binding of an anti-cytochrome c antibody to its antigen: crystal structures of FabE8-cytochrome c complex to 1.8 A resolution and FabE8 to 2.26 A resolution. J Mol Biol. 1998 Aug 14; 281(2):301-22.
- 22. Parhami-Seren, B.; Kussie, P. H.; Strong, R. K., and Margolies, M. N. Conservation of binding site geometry among p-azophenylarsonate-specific antibodies. J Immunol. 1993 Mar 1; 150(5):1829-37.
- 23. Pastor, N.; Pardo, L., and Weinstein, H. Does TATA matter? A structural exploration of the selectivity determinants in its complexes with TATA box-binding protein. Biophys J. 1997 Aug; 73(2):640-52.
- 24. Prieur, B. A stereochemical relationship could explain the origin of the genetic code. C R Acad Sci III. 1992; 314(6):245-52.
- 25. Rowland, M. J.; Bransome, E. D. Jr, and Hendry, L. B. Hypoglycemia caused by selegiline, an antiparkinsonian drug: can such side effects be predicted? J Clin Pharmacol. 1994 Jan; 34(1):80-5.

- 26. Uberoi, N. K.; Hendry, L. B.; Muldoon, T. G.; Myers, R. B.; Segaloff, A.; Bransome, E. D., and Mahesh, V. B. Structure-activity relationships of some unique estrogens related to estradiol are predicted by fit into DNA. Steroids. 1985 Mar-1985 Apr 30; 45(3-4):325-40.
- Warwicker, J. Investigating protein-protein interaction surfaces using a reduced stereochemical and electrostatic model. J Mol Biol. 1989 Mar 20; 206(2):381-95.
- 28. Westall, F. C. and Root-Bernstein, R. S. An explanation of prevention and suppression of experimental allergic encephalomyelitis. Mol Immunol. 1983 Feb; 20(2):169-77.
- 29. Williams, R. M. and Jones, R. Specificity of binding of zona pellucida glycoproteins to sperm proacrosin and related proteins. J Exp Zool. 1993 May 15; 266(1):65-73.
- 30. Wust, M. and Croteau, R. B. Hydroxylation of specifically deuterated limonene enantiomers by cytochrome p450 limonene-6-hydroxylase reveals the mechanism of multiple product formation. Biochemistry. 2002 Feb 12; 41(6):1820-7.
- 31. Yamashita, A.; Kato, H.; Wakatsuki, S.; Tomizaki, T.; Nakatsu, T.; Nakajima, K.; Hashimoto, T.; Yamada, Y., and Oda, J. Structure of tropinone reductase-II complexed with NADP+ and pseudotropine at 1.9 A resolution: implication for stereospecific substrate binding and catalysis. Biochemistry. 1999 Jun 15; 38(24):7630-7.